

ABSTRACT OF THE DISCLOSURE

In a communication network having a communication node connected to a plurality of service providers' networks, a network controller connected to the communication node, and a server for supplying network control information to the network controller, the server stores definition information of communication services provided by the service providers. When a service request specifying a communication path to be assured is received from the user terminal, the server retrieves communication service definition information matched with the service request and notifies the search result to the user terminal. In response to a notification of agreement from the user terminal, the server transmits network control information for setting a communication path to the network controller and the network controller supplies communication path control information generated on the basis of the network control information to the communication node.